| ~>         |  | TRANSMITTAL LETTER   | TO THE UNITED STATES                            | Attorney Docket No.                |  |  |  |  |  |  |  |  |  |
|------------|--|--|---|------------------------------------|--|--|--|--|--|--|--|--|--|
|            | DESIGNATED/ELECTED   |  | D OFFICE (DO/EO/US)                             | 0505-1040                          |  |  |  |  |  |  |  |  |  |
| 10.17      |  | CONCERNING A FILING  | 3 UNDER 35 U.S.C. 371 INTERNATIONAL FILING DATE | U.S. Application 10./519556        |  |  |  |  |  |  |  |  |  |
| INI        | EKN  | NATIONAL APPLN. NO. PCT/FR03/02008   | PRIORITY DATE CLAIMED  June 28, 2002            |                                    |  |  |  |  |  |  |  |  |  |
|            | TITLE OF INVENTION: METHOD FOR INDUCTION THERMAL TREATMENT OF A DOMESTIC WATER SUPPLY PIPE AND   |  |   |                                    |  |  |  |  |  |  |  |  |  |
|            | SYSTEM THEREFOR  |  |   |                                    |  |  |  |  |  |  |  |  |  |
| API<br>RAI | APPLICANT(S) FOR DO/EO/US: Laurent LATHUS, Claude PRIOTON, Fabrice DELPIERRE, Rodolphe GUITTON and Didier BAILLI                               |  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | nt herewith submits to the Unit  | ed States Designated Elected Office (Do         | O/FO/US) the following items and   |  |  |  |  |  |  |  |  |  |
|            |  | formation:   | (2  | erzeree, the lenewing items and    |  |  |  |  |  |  |  |  |  |
| 1.         | $\boxtimes$  | This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.                          |   |                                    |  |  |  |  |  |  |  |  |  |
| 2.         |  | This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.    |   |                                    |  |  |  |  |  |  |  |  |  |
| 3.         | $\boxtimes$  | This is an express request to begin national examination procedures (35 U.S.C. 371(f)).                      |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | The submission must include items (5), (6), (9) and (21) indicated below.                                    |   |                                    |  |  |  |  |  |  |  |  |  |
| 4.         | $\boxtimes$  | The US has been elected (Article 31).  |   |                                    |  |  |  |  |  |  |  |  |  |
| 5.         | $\boxtimes$  | A copy of the International Application as filed (35 U.S.C. 371 (c)(2))                                      |   |                                    |  |  |  |  |  |  |  |  |  |
|            | a.   | is attached hereto (required only if not communicated by the International Bureau).                          |   |                                    |  |  |  |  |  |  |  |  |  |
|            | b.   | b.  has been communicated by the International Bureau. See attached PCT/IB/308.                              |   |                                    |  |  |  |  |  |  |  |  |  |
|            | c.   | is not required, as the application was filed in the United States Receiving Office (RO/US).                 |   |                                    |  |  |  |  |  |  |  |  |  |
| 6.         | $\boxtimes$  | An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))             |   |                                    |  |  |  |  |  |  |  |  |  |
|            | a.   | is attached hereto.  |   | ·                                  |  |  |  |  |  |  |  |  |  |
|            | b.   |  | nitted under 35 U.S.C. 154(d)(4).               |                                    |  |  |  |  |  |  |  |  |  |
| 7.         | Ш  | _  | the International Application under PCT         |                                    |  |  |  |  |  |  |  |  |  |
|            | a.   | are attached hereto (required only if not communicated by the International Bureau).                         |   |                                    |  |  |  |  |  |  |  |  |  |
|            | b.   | have been communicated by the International Bureau.  |   |                                    |  |  |  |  |  |  |  |  |  |
|            | C.   |  |   |                                    |  |  |  |  |  |  |  |  |  |
|            | d.   | have not been made and will not be made.   |   |                                    |  |  |  |  |  |  |  |  |  |
| 8.         |  | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). |   |                                    |  |  |  |  |  |  |  |  |  |
| 9.         |  |  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | A Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv). ))               |   |                                    |  |  |  |  |  |  |  |  |  |
| 11.        | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). |  |   |                                    |  |  |  |  |  |  |  |  |  |
|            | lten   |  | ocument(s) or information included:             |                                    |  |  |  |  |  |  |  |  |  |
| 12         |  |  | ent (IDS) w/PTO-1449 -  Copy of IDS             | S citations                        |  |  |  |  |  |  |  |  |  |
|            | _  | Assignment Papers (cover she   |   | o diadons.                         |  |  |  |  |  |  |  |  |  |
|            |  | A preliminary amendment.   | 30t & 4004o(0)).                                |                                    |  |  |  |  |  |  |  |  |  |
|            |  | An Application Data Sheet under 37 C.F.R. 1.76.  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | Itemized Return Receipt Posto  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | A substitute specification.  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | Power of Attorney and Statement under 37 CFR §3.73(b)  |   |                                    |  |  |  |  |  |  |  |  |  |
|            | _  | a. Newly executed Power of Attorney  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  |  | Attorney and/or change of address lette         | er.                                |  |  |  |  |  |  |  |  |  |
| 19.        |  | A computer-readable form of t  |   |                                    |  |  |  |  |  |  |  |  |  |
|            |  | and 37 CFR 1.821 - 1.825.  |   |                                    |  |  |  |  |  |  |  |  |  |
| 20.        |  | A second copy of the publishe  | d international application under 35 U.S        | S.C. 154(d)(4).                    |  |  |  |  |  |  |  |  |  |
| 21.        |  | A second copy of the English   | language translation of the international       | application (35 U.S.C. 154(d)(4)). |  |  |  |  |  |  |  |  |  |
| 22.        | $\boxtimes$  | Other items or information: International Search Report (PCT/ISA/210), French Search Report.                 |   |                                    |  |  |  |  |  |  |  |  |  |

Abstract of the Disclosure

| U.S. AP   | PLICATION   | N519                       | 556        | INTERNATIONAL AF<br>  PCT/FR03/02008 | PPLN. NO.                           | 0505-1040         | EY DOCKET N               | Ю.           |  |  |
|---|---|----------------------------|------------|--------------------------------------|-------------------------------------|-------------------|---------------------------|--------------|--|--|
| $\boxtimes$   |   |                            |            |                                      |                                     |                   |                           | CALCULATIONS |  |  |
|   |   |                            |            |                                      |                                     |                   |                           | E ONLY       |  |  |
| The following fees are subfillited.   |   |                            |            |                                      |                                     |                   |                           |              |  |  |
| PCT   | FEES - NA   | TIONAL S                   | STAGE      |                                      |                                     |                   |                           |              |  |  |
| Large   | Entity  |                            |            |                                      |                                     |                   |                           |              |  |  |
| Large Entity   Small Entity   |   |                            |            | Fee Description                      |                                     |                   |                           |              |  |  |
| 1631  | 300.00  | 2631                       | 150.00     | Basic National Stage Fee             |                                     |                   | \$150.00                  |              |  |  |
| 1632  | 500.00  | 2632                       | 250.00     | National Stage Search Fee            |                                     |                   | \$250.00                  |              |  |  |
| 1633  | 200.00  | 2633                       | 100.00     | National Stage Examination Fee       |                                     |                   | \$100.00                  |              |  |  |
|   |   |                            |            | oath or declaration later            |                                     | 0                 | \$65.00                   |              |  |  |
| months  | rom the ea  | SIZE FEI                   |            | date (Fee Code 1617/2                | 617)                                | Fee From          |                           |              |  |  |
|   |   | ize fee eac<br>50 sheets i |            | Additional Shee                      | ts                                  | Below             |                           |              |  |  |
|   |   | xcess of 10                |            | - 100 =                              | x                                   | <u>\$250.00</u>   | \$0.00                    |              |  |  |
|   | Fee Cod   | e 1681/268                 | 1          | 50                                   |                                     |                   | i                         |              |  |  |
|   |   | CLAIMS                     |            | NUMBER FILED                         | NUMBER EXTRA                        | RATE              |                           |              |  |  |
| Indepen   | dent Claim  | s Fee Cod                  | des 1614 / | 2614 1 - 3 =                         | 0                                   | x \$200.00        | \$0.00                    |              |  |  |
| Total Cla   | aims  | Fee Cod                    | des 1615 / | 2615 13 - 20 =                       | 0                                   | x \$50.00         | \$0.00                    |              |  |  |
|   |   |                            |            | pplicable) Fee Code 16               |                                     | + \$360.00        | \$0.00                    |              |  |  |
| Process<br>months   | ing fee of \$<br>from the ea  | \$0.00                     |            |                                      |                                     |                   |                           |              |  |  |
| Fee for   | recording th  | he enclose                 | d assignme | ent (37 CFR 1.21(h)). (I<br>\$4      | Fee code 8021)<br>40.00 per propert | v +               | \$0.00                    |              |  |  |
|   |   | -                          |            |                                      | ES ENCLOSED                         | =                 | \$ 565.00<br>Amount to be |              |  |  |
|   |   |                            |            |                                      |                                     |                   |                           | \$           |  |  |
|   |   |                            |            |                                      |                                     |                   | Charged:                  | \$           |  |  |
| $\boxtimes$   | A check   | in the am                  | ount of \$ | <b>565.00</b> to cover the a         | above fees is a                     | ttached.          |                           |              |  |  |
|   | The Director is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed. |                            |            |                                      |                                     |                   |                           |              |  |  |
| $\boxtimes$   | any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.   |                            |            |                                      |                                     |                   |                           |              |  |  |
| SEND ALL CORRESPONDENCE TO: YOUNG & THOMPSON 745 South 23 <sup>rd</sup> Street Arlington, VA 22202 Telephone: (703) 521-2297 Facsimile: (703) 685-0573  SIGNATURE  Benoit Castel, Reg. No. 35,041 NAME, REGISTRATION NUMBER |   |                            |            |                                      |                                     |                   |                           |              |  |  |
| Y&T C<br>BC/ <u>ia</u>  | ustomer l   | No. <b>0046</b>            | 66         |                                      | Dec                                 | ember 28, 20<br>E | 004                       |              |  |  |